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L1: Entry 1 of 1

File: DWPI

Dec 29, 1993

DERWENT-ACC-NO: 1994-001190

DERWENT-WEEK: 200242

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TITLE: Shredding device for paper web used in mfr. of cigarette with filters - has receiving drum having peripheral surface providing suction and bladed drum with pair of free rollers and pair of rocking arms controlled by springs

INVENTOR: IRIKURA, T

PATENT-ASSIGNEE:

ASSIGNEE	CODE
JAPAN TOBACCO INC	NISB

PRIORITY-DATA: 1992JP-0165877 (June 24, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>EP 576005 A2</u>	December 29, 1993	E	015	A24C005/47
JP 3293174 B2	June 17, 2002		008	A24C005/47
US 5350126 A	September 27, 1994		013	B02C001/08
<u>EP 576005 A3</u>	August 30, 1995		000	
<u>EP 576005 B1</u>	August 30, 2000	E	000	A24C005/47
DE 69329315 E	October 5, 2000		000	A24C005/47

DESIGNATED-STATES: DE GB IT DE GB IT

CITED-DOCUMENTS: No-SR.Pub; CH 425449 ; DE 3345505 ; JP 59115198 ; US 4095498 ; US 4226150 ; WO 9117027

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
EP 576005A2	June 24, 1993	1993EP-0110112	
JP 3293174B2	June 24, 1992	1992JP-0165877	
JP 3293174B2		JP 6007140	Previous Publ.
US 5350126A	June 23, 1993	1993US-0088422	
EP 576005B1	June 24, 1993	1993EP-0110112	
DE 69329315E	June 24, 1993	1993DE-0629315	
DE 69329315E	June 24, 1993	1993EP-0110112	
DE 69329315E		EP 576005	Based on

INT-CL (IPC): A24C 5/47; B02C 1/08; B26D 1/62

ABSTRACTED-PUB-NO: EP 576005A

BASIC-ABSTRACT:

A first drum (19) is rotatably arranged and having a peripheral surface for carrying

paper web (Pw) as a first drum (19) rotates. A shredder is provided for shredding the paper web (Pw) into paper pieces of a specified length. The shredder includes a common shaft (36) arranged in parallel to the first drum (19).

A pair of free rollers (42) are rotatably mounted on the common shaft at both sides of the second drum (20). The shredder comprises supports (30,31,32) for supporting the second drum (20) and the pair of free rollers (42), so that they are allowed to move toward or away from the peripheral surface of the first drum (19).

USE/ADVANTAGE - Cigarette mfr. machine is capable of maintaining paper web shredding performance for a long time and of ensuring prolonged service life.

ABSTRACTED-PUB-NO:

EP 576005B

EQUIVALENT-ABSTRACTS:

A first drum (19) is rotatably arranged and having a peripheral surface for carrying paper web (Pw) as a first drum (19) rotates. A shredder is provided for shredding the paper web (Pw) into paper pieces of a specified length. The shredder includes a common shaft (36) arranged in parallel to the first drum (19).

A pair of free rollers (42) are rotatably mounted on the common shaft at both sides of the second drum (20). The shredder comprises supports (30,31,32) for supporting the second drum (20) and the pair of free rollers (42), so that they are allowed to move toward or away from the peripheral surface of the first drum (19).

USE/ADVANTAGE - Cigarette mfr. machine is capable of maintaining paper web shredding performance for a long time and of ensuring prolonged service life.

US 5350126A

The device is equipped with a receiving drum, the peripheral surface being formed as a suction surface. A bladed drum has a pair of free rollers which rotate in contact with the peripheral surface or the receiving drum.

A pair of rocking arms support the bladed drum and the pair of free rollers so that they are free to rock. A pair of pressure springs urge these rocking arms toward the receiving drum. The urging force of these pressure springs press the pair of free rollers against the peripheral surface of the receiving drum with a specified force.

USE - A shredding device for paper web.

CHOSEN-DRAWING: Dwg.3/7 Dwg.3/7

TITLE-TERMS: SHRED DEVICE PAPER WEB MANUFACTURE CIGARETTE FILTER RECEIVE DRUM PERIPHERAL SURFACE SUCTION BLADE DRUM PAIR FREE ROLL PAIR ROCK ARM CONTROL SPRING

DERWENT-CLASS: P15 P62

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1994-000921